

## EAST Search History

| Ref # | Hits | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|--|---|------------------|---------|------------------|
| S1    | 2    | "6111265".pn.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/25 14:58 |
| S2    | 494  | (gunn adj diode) and (gaas or (gallium adj arsenide))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/22 19:37 |
| S3    | 2    | "6111265".pn. and graded   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/22 20:49 |
| S4    | 2    | (highly adj doped) same (undoped adj intermediate) same graded   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/22 20:50 |
| S5    | 23   | (highly adj doped) same (undoped) same graded  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/22 20:50 |
| S6    | 1    | (first adj highly adj doped adj (gaas or (gallium adj arsenide))) and (undoped adj (gaas or (gallium adj arsenide))) and (graded adj (algaas or (aluminum adj gallium adj arsenide))) and (epi or epitax\$4) and temperature | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/25 15:03 |
| S7    | 1    | (highly adj doped adj (gaas or (gallium adj arsenide))) and (undoped adj (gaas or (gallium adj arsenide))) and (graded adj (algaas or (aluminum adj gallium adj arsenide))) and (epi or epitax\$4) and temperature           | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/25 15:04 |
| S8    | 0    | (first adj highly adj doped adj (layer or film)) and (second adj highly adj doped adj (layer or film)) and (undoped adj (layer or film)) and (graded adj (layer or film))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/25 15:06 |

## EAST Search History

|     |   |  |   |    |    |                  |
|-----|---|--|---|----|----|------------------|
| S9  | 0 | (upper adj highly adj doped adj (layer or film)) and (lower adj highly adj doped adj (layer or film)) and (undoped adj (layer or film)) and (graded adj (layer or film)) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/25 15:07 |
| S10 | 0 | (top adj highly adj doped adj (layer or film)) and (bottom adj highly adj doped adj (layer or film)) and (undoped adj (layer or film)) and (graded adj (layer or film))  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/25 15:07 |
| S11 | 0 | (top adj highly adj doped adj (layer or film)) and (bottom adj highly adj doped adj (layer or film)) and (undoped) and (graded)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/25 15:08 |
| S12 | 1 | (first adj highly adj doped adj (layer or film)) and (second adj highly adj doped adj (layer or film)) and (undoped) and (graded)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/25 15:08 |
| S13 | 8 | (first adj highly adj doped) and (second adj highly adj doped) and (undoped) and (graded)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/25 16:47 |
| S14 | 0 | (uppper adj highly adj doped) and (lower adj highly adj doped) and (undoped) and (graded)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/25 16:47 |
| S15 | 0 | (upper adj highly adj doped) and (lower adj highly adj doped) and (undoped) and (graded)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/25 16:48 |
| S16 | 3 | (top adj highly adj doped) and (bottom adj highly adj doped) and (undoped) and (graded)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/25 16:48 |